

Appendix B3

LED Roadway Lighting – Luminaire Assessment – Summary of Required Review Materials

This is a summary of the items required for a submission. Please refer to the current checklist for exact details of the requirements. Everything must be in English. “UL lab” is an abbreviation for a lab that is UL/NATA/IANZ accredited or has mutual accreditation.

CHECK LIST CLAUSE	TOPIC	LAB REPORT	CERTIFICATE	OTHER	SOURCE
-	Checklist (completed)	-	-	Y	NZ agent
1.1a	Covering letter	-	-	Y	NZ agent
1.1b	Product matrix	-	-	Y	NZ agent
1.1c	Product brochure	-	-	Y	NZ agent
2.2	Driver data sheet	-	-	Y	Manufacturer
2.5	Working sample	-	-	Y	Manufacturer
2.6	AS/NZS1158 compliance	Y	-	-	UL lab
2.9.1	IP rating	Y	-	-	UL lab
3.3	ISO9001	-	Y	-	Manufacturer
4.1	SDoC	-	-	Y	NZ agent
4.2	EMC	-	Y	-	Manufacturer
5.6	Photobiological safety	-	Y	-	UL lab
5.7	LM79-08 report	Y	-	-	UL lab
5.8.2	IES files	-	-	Y	UL lab
5.8.3	CIE files	-	-	Y	UL lab
5.10.1	LM80-08 report	Y	-	-	LED chip supplier
5.10.2 & 3	ISTMT report	Y	-	-	UL lab
5.10.4	TM21-11 analysis	-	-	Y	Manufacturer or NZ agent
6.1	Power factor	Y (*)	-	-	UL lab
6.2	THD	Y (*)	-	-	UL lab
6.3	EMC Immunity	-	Y	-	Manufacturer
6.4	Harmonic current emissions	-	Y	-	Manufacturer
6.5.2	SPD data sheet	-	-	Y	Manufacturer
7.1.2	Aluminium alloy specification data sheet	-	-	Y	Manufacturer
7.2.1	Lens material data sheet	-	-	Y	Manufacturer
7.2.2	Reflector material data sheet	-	-	Y	Manufacturer
7.2.3	Visor material data sheet	-	-	Y	Manufacturer
7.3.2	Paint supplier's specification	-	-	Y	Paint supplier
7.3.3	Paint supplier's applicator approval	-	-	Y	Paint supplier
7.3.4	Saline mist test	Y	-	-	UL lab
7.4	RoHS	-	Y	-	Manufacturer
8	Perfect Light calculations	-	-	Y	Manufacturer or NZ agent

NOTE: (*) These items can be part of another report (e.g. LM79)

Revision Table

Version	Date	Changes
1	15/09/17	Original. Aligned to ref. checklist v12
2	03/05/18	Minor text changes. Aligned to checklist v14
3	26/08/18	Footer adjustment. Aligned to checklist v16
4	15/01/21	5.6, 6.3, 6.4 altered